2004 14:50

4083820481

Sheet 1 of 1 partment of Commerce, Patent and Lademark Office Atty Dowet No. Serial No. M-10944-1C US Unknown INFORMATION DISCLOSURE STATEMENT BY APPLICANT Applicant(s) (Use several sheets if necessary) Kondoh et al. Filing Date Group Herewith Unknown U.S. Patent Documents *Examiner Document Filing Date Initial Number Date Name Class Subclass If Appropriate DL AA 5,362,977 11/8/94 Hunt et al. 257 98 AB 5,959,307 Nakamura et al. 9/28/99 257 14 AC 5,684,523 11/4/97 Satoh et al. 347 247 AD 5,703,436 9/28/99 Forrest et al. 313 506 ΑE 5,740,192 4/14/98 Hatano et al. 372 45 AF AĢ AH ΑĬ ΑJ AK Foreign Patent Documents Translation Document Date Country Subclass Class Yes No EP 0772249A2 AL 5/7/97 EP HOIL 33/00 EP 0550963A1 AM 7/14/93 EP HOIL 33/00 AN 09321389 12/12/97 H01S Patent Abstract Japan 3/18 AO 05291621 11/5/93 Patent Abstract Japan H01L 33/00 AP 11-220171 8/10/99 HOIL 33/00 Japan X OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) AQ M. Kamiyama, Thin Film Handbook, P. 496, 1983, Ohmusya (Tokyo). AR Evans, P.W. et al., "Edge-Emitting Quantum Well Heterostructure Laser Diodes With Auxiliary Ntive-Oxide Vertical Cavity Confinement", Applied Physics Letters, Vol. 67, No. 21, Nove. 20, 1995, pp. 3168-AS Description of Examiner B mai os *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

10 21 x 2004 17:11 TE TRADEMARY

PTO/SB/08A (08-03)

2814

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Peperwork Reduction Act of 1995, no persons are required to respond to a collection of information upless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number 09/764,024 Filing Date January 16, 2001 INFORMATION DISCLOSURE First Named Inventor You Kondoh STATEMENT BY APPLICANT

Art Unit

Sheet 1

Douglas A. Wille Examiner Name M-10944-1C US Attorney Docket Number

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Citra No.	Document Number Number-Kind Code ^{2 (frecent)}	Publication Date MM-DD-YYYY	Name of Patentics or Applicant of Cited Document	Pages, Columns, Linas, Where Relevant Passages or Rolovan Figures Appear
D) &	ee	US- 5,414,281	5-9-1995	Watanabe et al.	
/ / \		US- 4,817,854	4-4-1989	Tihanyi et al.	
		US- 5,760,479	6-2-1998	Yang et al.	
7		us- 5,917,202	6-29-1999	Haitz et al.	
		^{U9-} 4,347,655	9-7-1982	Zory et al.	
		US- 5,854,087	12-29-1998	Kurata	
1	<u> </u>	^{US-} 4,210,389	7-1-1980	Burkhart et al.	
		^{US-} 5,537,433	7-16-1996	Watanabe	
1		^{US-} 5,460,911	10-24-1995	Yu et al.	
1		^{US-} 6,111,272	8-29-2000	Heinen	
		US- 4,990,970	2-5-1991	Fuller	
		^{UŞ-} 5,055,893	10-8-1991	Sasagawa	
$\neg \tau$		^{Us-} 5,132,750	7-21-1992	Kato et al.	
		^{U6-} 5,237,581	8-17-1993	Asada et al.	
		US- 5,537,433	7-16-1996	Watanabe	
1		US- 6,222,207	4-24-2001	Carter-Coman et al.	
		US- 6,194,743	2-27-2001	Kondoh et al.	
		^{US-} 4,153,905	5-8-1979	Charmakadze et al.	
		^{US-} 6,091,085	7-18-2000	Lester	

		FORE	IGN PATENT DOC	JMENTS		
Examinor Initials*	Cite No.1	Foreign Petent Document	Publication Date	Name of Patentee or Applicem of Cited Document	Peges, Columns, Lines, Where Relevant Passages	
\		Country Gode ³ "Number ⁴ "Kind Code ⁴ (# Impair)	MM-DD-YYYY		Or Relevent Figures Appear	1
		EP0926744A2	6-3-1999	Hewlett-Packard		
		DE19921987A1	5-12-1999	Toyoda		
		WO96/09653	3-28-1996	Cree Research		
		DE 37 25 454 A1	2-9-1989			
		DE 195 37 545 A1	4-10-1997			
		DE 196 48 309 A1	3-31-1999			

Examina ma Considered

"EXAMINEN: Initial if reference considered, whether or not current is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with Mexicommunication to applicant. Applicants unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uselo.cog or MPEP 901.04. Participation of the color of the Emperor must precede the sental number of the patent document. Yated of document by the sprengiate symbols as incleated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is estatehold.

Trainstation is arrection.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. The will vary deponding upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Potent and Tredemark Office, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

18221X2004 OCT 2 1 2004 PAUEMARY.

PTO/SB/08A (08-03)
Approved for use through 07/31/2008. OMB 0661-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
ander the Paperwork Reduction Act of 1895, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1		Complete if Known				
Substitute for form 1		Application Number	09/764,024			
INCODRA	TION DISCLOSURE	Filing Date	January 16, 2001			
	ATION DISCLOSURE	First Named Inventor	You Kondoh			
STATEM	ENT BY APPLICANT	Art Unit	2814			
(Use as many sheets as necessary)		Examiner Name	Douglas A. Wille			
neet 2	of 3	Attorney Docket Number	M-10944-1C US			

Examiner Initiels*	Cile No.1	Document Number	U. S. PATENT D Publication Dato MM-DD-YYYY	Name of Patentee or Applicant of Cilod Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
IIIIUBIS		Number-Kind Code ² (* Promis	MM		Figures Appear
		US-			
		US•			
		US.			
		US-			
		US•			·
•		US-			
	ĺ	US-			
-		US-			
		US-			
		US-			
	<u> </u>	US•			
		us.			
		US-			
	<u> </u>	US-			
		US-			
		US-			
		US-			
	<u> </u>	UŞ.			
	1	us.			

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cito No.	Föreign Patent Document	Publication Oate	Namo of Petentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Codo ² "Number ⁴ "Kind Codo ² (# known)	MM-DD-YYYY		Or Relevant Figures Appear	To
De)	DE 0 905 797 A2	3-31-1999			
V. ('						
						<u> </u>
			-			ļ.
					· · · · · · · · · · · · · · · · · · ·	L
		<u> </u>			<u></u>	<u> </u>

Examiner	(/) a		(2)	Date	0 14
Signature	V ₁ / O ¹	UNDE	Will	Considered	3 Maroy

"EXAMINER: Initial # reference considered, whether or not distion is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-lotter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the settal number of the patent document. 'Mind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 If possible.' 'Applicant is to place a check mark nom if English language Translation is attached.

Translation is officence.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, proparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Petent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

21/2004 17:11 OCT 2 1 2004

PTC/SB/08B (08-03)
Approved for use through 07/31/2005, CNR 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
a collection of Information unless it contains a valid OMB control number.

	e for form 1449/PTO			Complete if Known				
Substice	9 101 101M 1445/P1 O			Application Number	09/764,024			
INFO	DRMATION	N DIS	CLOSURE	Filing Date	January 16, 2001			
STATEMENT BY APPLICANT				First Named Inventor	Yau Kandoh			
			•	Art Unit	2814			
(Uso as many sheets as necessary)				Examiner Name	Douglas A. Wille			
Sheet	3	of	3	Attomey Docket Number	M-10944-1C US			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
Dfe		J.J. STEPPAN e al., "A Review Of Corrosion Failure Mechanisms During Accelerated Tests," Vol. 134, No. 1, January 1987.	
		MENSZ et al., Electronic Letters 33 (24) pp. 2066-2068, 1997.	
		K.D. HOBART et al., J. Electrochem. Soc. 146, 3833-3836, 1999.	
		G.E. HÖFLER et al., "High-flux high-efficiency transparent-substrate AlGaInP/GaP light-emitting diodes," Electronic Letters, 3rd September 1998, Vol. 34, No. 18, pp. 1-2.	
·			

4CVALUNER: INVESTIGATION	Examiner Signature	Doeglas	Certs	Date Considered	3 Meros
--------------------------	-----------------------	---------	-------	--------------------	---------

If you need assistance in completing the form, cell 1-800-PTO-9199 (1-800-786-9199) and select option 2.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English isinguage Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to fills (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the encount of time your enguries to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Cificer, U.S. Patent and Tradamerk Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: